

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of:	Shoemaker, et al.	Confirmation No.:	5273
Application No.:	10/813,506	Art Unit:	1637
Filed:	March 29, 2004	Examiner:	Staples, Mark
For:	GENE DISCOVERY USING MICROARRAYS	Attorney Docket No:	9301-235-999

**AMENDMENT UNDER 37 C.F.R. 1.114**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the non-final Office Action dated May 11, 2009, please enter the following amendments and consider the following remarks in connection with the above-identified application. Applicants submit concurrently herewith (i) an Amendment Fee Transmittal and (ii) a Petition for Extension of Time for one (1) month up to and including September 11, 2009.

**AMENDMENTS TO THE CLAIMS** are reflected in the Listing of Claims which begins on page 2 of this paper.

**REMARKS** begin on page 8 of this paper.